

**What is claimed is:**

1. An adhesive sheet strip for a bond which is redetachable without residue or destruction by extensive stretching in the bond plane, having a pressure sensitive adhesive based on styrene block copolymers, wherein the pressure sensitive adhesive comprises an acid-modified and/or acid anhydride-modified elastomer.
2. The adhesive sheet strip as claimed in claim 1, wherein the elastomer is based on SEBS and/or SEPS.
3. The adhesive sheet strip as claimed in claim 1, wherein the elastomer accounts for from 30 to 60% by weight, in particular from 35 to 55% by weight, of the pressure sensitive adhesive.
4. The adhesive sheet strip as claimed in claim 1, wherein the elastomer contains from 1 to 2% of acid groups, based on the overall weight of the elastomer, in particular in the form of incorporated maleic anhydride.
5. The adhesive sheet strip as claimed in claim 1, wherein the pressure sensitive adhesive comprises tackifiers and, where appropriate, further additives, plasticizing agents and/or fillers.
6. The adhesive sheet strip as claimed in claim 1, provided on one side or in particular on both sides with the pressure sensitive adhesive.
7. The adhesive sheet strip as claimed in claim 1, comprising a nonadhesive grip tab.
8. The adhesive sheet strip as claimed in claim 1, comprising only the pressure sensitive adhesive (where appropriate with grip tab) or being a laminate, in particular a laminate having a stretchable backing.
9. A process for producing an adhesive sheet strip as claimed in claims 1 – 8, which comprises using a pressure sensitive adhesive as set forth in any of claims 1 – 8, where appropriate on a stretchable backing.